# Technology Panel Solutions

Thursday, June 14

Afternoon Session

# 1. Command and Control

- Who?
- Where?
- How Much?
- Assume a totally new National Guard
- Assume “homeland defense” (HD) has been funded and is operational

# Who?

- Technology Panel Scenario
- Scenario Summary
  - Dartmouth College Coliseum Attack
  - Day 4: 3:00 pm, signal sounded
  - Day 4: 3:30 pm, Washington, D.C.- HD notifies TX, FL, and CA of potential Tularemia infection

# Technology Future Response System

Hanover

New York

Washington D.C.

Future Scenario

# How Much?

- Day 4, a.m.
  - Expanded surveillance indicates a growing number of critically ill and less severely ill
  - Contact state department of health
  - Contact FBI branch
  - Contact homeland defense network (HDN)

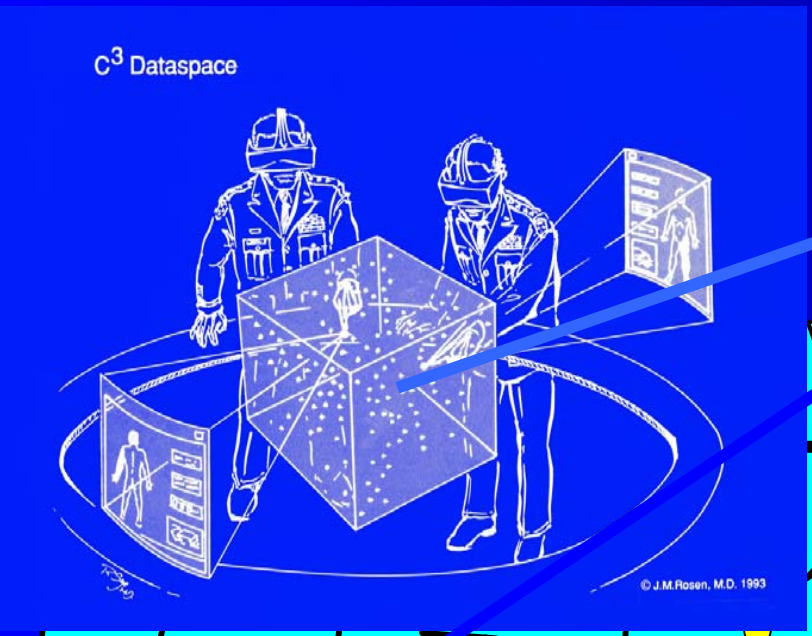
# Response Cont'd.

- Day 4, 12:00 – 15:00
  - 5 acute care centers brought online and 5 at NEHC [securely]
  - Homeland defense stage 1 alert (heightened awareness- remain available) [securely]
- 15:00 (preliminary diagnosis returns)
  - 5 acute centers are notified "Tularemia"
  - Obtain existing headcount of local reporters- report count to HDN (know local resources)'
  - HDN passes diagnosis on to CDC. CDC responds by mobilizing medical supplies
  - Community outreach to inform local residents of event

# Day 4

- 16:00
  - Information management by HDN
  - Activate local C&C emergency operations Center (EOC)
  - HDN activates Texas, FL, CA (to stage 2 awareness
  - Run predictive resource analysis model at EOC and verified by HDN (determine resource targets)
    - Numbers reported are compared by region as part of model
    - Epidemiology (query initial patients and verify)

# Technology Future Response System



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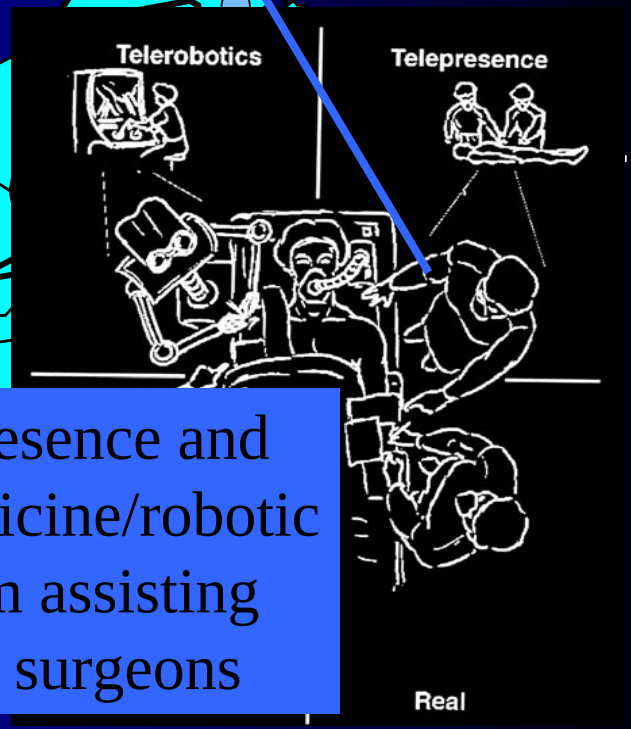


Telepresence and Telemedicine/robotic System assisting Local surgeons

Future Scenario

# Day 4 – stage 2

- 21:00
  - Commandeer portion of existing communications infrastructure (sized by resource allocation model)
  - Begin install new communications infrastructure
  - Secure food and water supply
  - Listen for pings from remote HDN resources (e.g. reports of other incidents)
  - Turn over computer operations to HDN control
  - Triage turned over to HDN control
  - Robots are deployed (security, medical deliveries, reconnaissance, situational awareness)

# Day 5- stage 3

- Midnight
  - Starbucks (it'll be in Hanover by now)
  - Evaluate condition of early responders (HDN computers automated pupil response test)
    - This begins the need for backfill process
  - Remote resource refuse involvement
  - HDN mobilizes more remote ID (infectious disease doctors)

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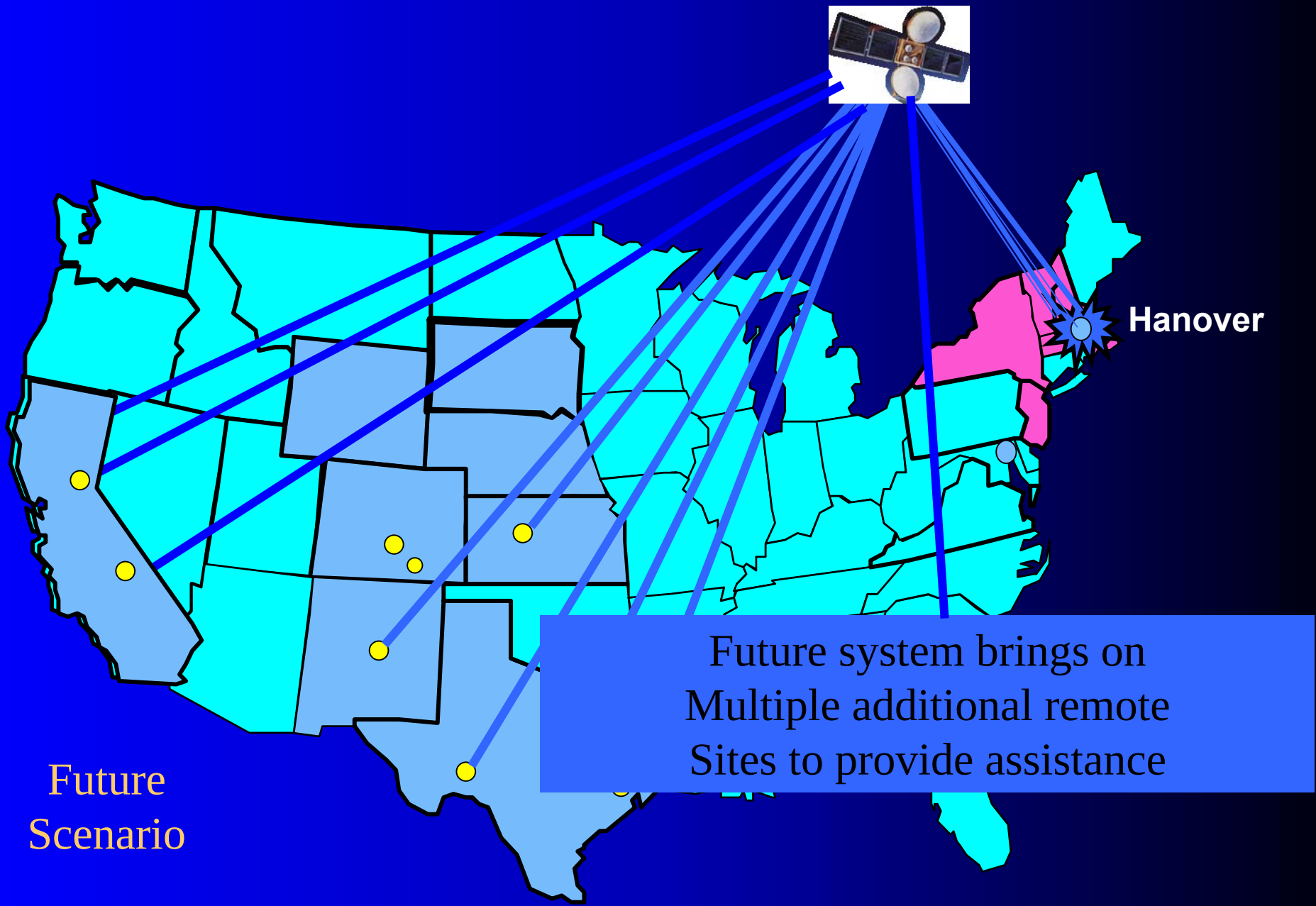
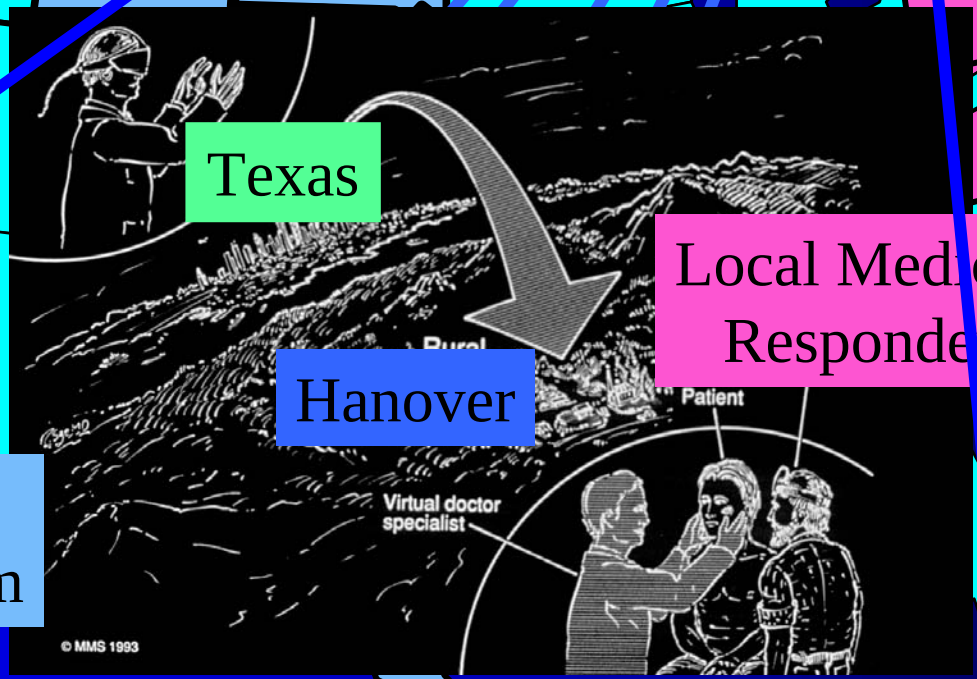



Future system brings on
Multiple additional remote
Sites to provide assistance

Future
Scenario

# Future Technology Response System

Hanover



# Future Technology Response System

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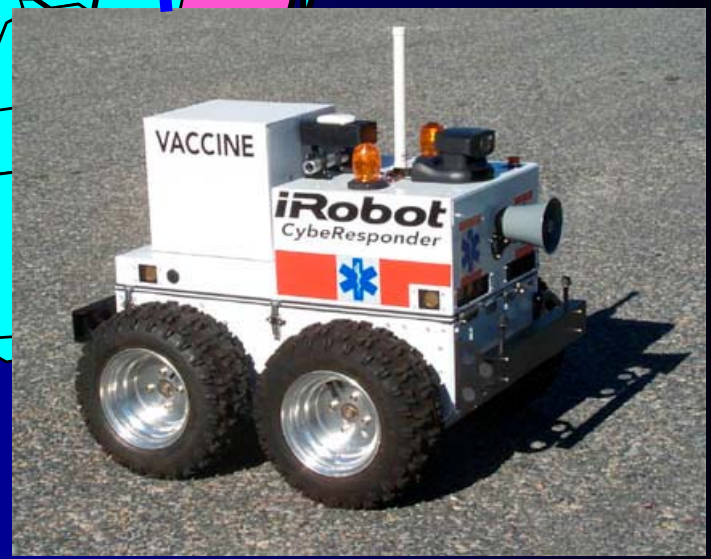


Tele-Robot Responders bringing supplies